



Department of Toxic Substances Control



Winston H. Hickox
Agency Secretary
California Environmental
Protection Agency

Edwin F. Lowry, Director
8800 Cal Center Drive
Sacramento, California 95826-3200

Gray Davis
Governor

To: Office of Planning and Research
P.O. Box 3044
Sacramento, CA 95812-3044

From: Land Disposal Branch
8800 Cal Center Drive
Sacramento, California 95826

Project Title: Forward Landfill, Hazardous Waste Management Facility,
Waste Management Unit A Postclosure Permit

Project Location: Austin Road, 7 miles south of the City of Stockton
City: Unincorporated **County:** San Joaquin

Project Description: To ensure that all of the required postclosure activities occur during the 30-year post-closure period, DTSC requires an updated postclosure permit for Forward Landfill.

Background: Waste Management Unit A (WMU A) is a closed Class I hazardous waste disposal landfill unit that is currently undergoing postclosure monitoring, inspection, and maintenance. WMU A covers approximately 8 acres, contains 320,000 cubic yards of waste, and operated from 1973 until 1984. The primary waste material found in WMU A is barium/strontium sludge from mining operations with secondary wastes including drilling muds and contaminated soils. The project is the second postclosure permit for the Hazardous Waste Management Facility (HWMF) at Forward Landfill. This unit is called Waste Management Unit A. Forward Landfill stopped receiving hazardous waste in 1984 and the facility completed closure in 1989. The Closure Plan was approved by the Department of Toxic Substances Control (DTSC) with waste remaining in place in compliance with the Closure Plan. The Closure Plan required the items listed below to be implemented in order to properly close the facility. With closure certification, state and federal regulations require that a postclosure plan for a 30-year period be developed and implemented by the facility. A Municipal waste landfill (Class III) operates adjacent to the closed HWMF, however, this permit only addresses the HWMF.

In compliance with the Closure Plan, the following activities were implemented in 1989:

1. A final cover was placed over WMU A that consisted of:
 - Two foot thick compacted clay liner,
 - 1.5 foot thick vegetative soil cover,
2. Construction of surface water drainage ditches and erosion control measures, and
3. Leachate detection and removal system.

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at www.dtsc.ca.gov.

A post closure permit was issued in 1990 with minor modifications in groundwater monitoring in being approved in 1994, 1995 and 1999. This permit has expired.

Project Activities: The second post-closure permit outlines the procedures to fulfill regulatory requirements, which consist of three primary functions: (1) Maintenance and operation of closure structures and treatment systems, (2) environmental monitoring, and (3) maintenance of financial mechanisms to fund the post-closure activities. The postclosure activities required to be implemented are listed below. Based on data collected from the groundwater monitoring program there is no evidence of releases from the HWMF at Forward Landfill.

The following postclosure activities are described in the existing postclosure permit and continue in the second postclosure permit:

- 1) Monitoring groundwater elevation and water quality at the facility,
- 2) Managing contaminated leachate from the HWMF by extracting and offsite treatment,
- 3) Inspecting, maintaining and repairing the structures at the facility, including the landfill, on a routine basis and after extreme natural occurrences, and
- 4) Providing a financial mechanism throughout the entire postclosure period to fund the above postclosure activities.

New special conditions in the postclosure permit require an extension of the current groundwater monitoring to an existing private onsite water supply well to assure that the pumping of this well is not adversely affecting groundwater movement. This will not change the point of compliance for groundwater or the constituents sampled but may also provide a deeper sampling location. This activity is intended to provide additional monitoring information. There is not a known problem requiring corrective action. However, future changes to the site monitoring plan may result if indicated by the additional sampling.

Name of Public Agency Approving Project: Department of Toxic Substances Control
Land Disposal Branch

Name of Person or Agency Carrying Out Project: Forward Landfill/ Forward Incorporated

Exempt Status: Title 14, California Code of Regulations, section 15061(b) (3)
With certainty, no possibility of a significant effect on the environment.

Reasons Why Project is Exempt:

1. The Closure Certification Report as approved by an independent registered engineer certified that the Forward Landfill HWMF was built according to the approved plans and is in good working order. This includes (a) the landfill subgrade, (b) the landfill cover, and (c) the final site topography.
2. A negative declaration was prepared and certified in 1995 in support of the modifications of monitoring well network and sampling activities for a Postclosure Permit modification.
3. For the purposes of groundwater monitoring, DTSC has updated the Corrective Action Groundwater Monitoring Sampling to adequately monitor the site hydrogeology. Major features of the groundwater monitoring program include: a list of Constituents of Concern, Concentration Limits, Monitoring Points, and a Reporting Program.
4. The postclosure permit includes provisions to restrict future land uses. Any future new

use of the site will also require an amendment of the postclosure permit, pursuant to the specific conditions stated therein. Deed restrictions are also in place that limit future use of the property and provide notice of its former hazardous waste landfill uses.

5. Recent Inspections have revealed no failures or malfunctions in the HWMF.

Lead Agency Contact Person: Raymond Leclerc **Telephone:** (916) 255-3582

Signature: NOT SIGNED - DRAFT
James M Pappas, P.E., Chief
Sacramento Permitting and Corrective Action Branch

Date:

Date received for filing at OPR: